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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,797	08/25/2003	Akihiro Matsuya	00862.023188.	1223
5514 7590 01/22/2008 FITZPATRICK CELLA HARPER & SCINTO 30 ROCKEFELLER PLAZA NEW YORK, NY 10112			EXAMINER GELAGAY, SHEWAYE	
			ART UNIT 2137	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/646,797

Applicant(s)

MATSUYA, AKIHIRO

Examiner

Shewaye Gelagay

Art Unit

2137

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 November 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 and 10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 and 10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 12/7/07.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/14/07 has been entered.
2. Claims 1-7 and 10 are pending.

Response to Arguments

1. Applicant's arguments filed November 14, 2007 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 6-7 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Berson et al. (hereinafter Berson) U.S. Patent Number 6,938,154 in view Hiroki

Eda et al. "PC ID Declaration Section Part Authentication through Inherent Numbers and Authentication Circuits" (hereinafter Hiroki)

As per claims 1, 7 and 10:

Berson teaches an authentication method of an image processing system in which a host computer, an authentication apparatus and an image processing apparatus are connected to a network, the method comprising:

a transmission step of, at the image processing apparatus, transmitting data for authentication to the host computer in case where the host computer remotely operates the image processing apparatus; (col. 4, line 26-col. 5, line 3)

an authentication step of, at the host computer, causing the authentication apparatus specified by the data to perform an authentication process with respect to an operation level of the remote operation from the host computer to the image processing apparatus; (col. 4, line 26-col. 5, line 3) and

a remote operation step of, at the host computer, remotely operating the image processing apparatus in accordance with the operation level authenticated by the authentication apparatus. (col. 4, line 26-col. 5, line 3)

Berson does not explicitly disclose transmitting data specifying the authentication apparatus. Hiroki in analogous art, however, discloses transmitting data specifying the authentication apparatus. (page 5- page 8) Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to modify the system disclosed by Berson with Hiroki in order to enhance existing password authentication

system thereby increasing reliability of the authentication of user identification before accessing a service. (page 2; Hiroki)

As per claim 6:

The combination of Berson and Hiroki teaches all the subject matter as discussed above. In addition Berson further discloses a method wherein the operation with respect to the information is at least one of download, browsing, printing, and transfer. (col. 4, lines 26-35)

4. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Berson et al. (hereinafter Berson) U.S. Patent Number 6,938,154 in view Hiroki Eda et al. "PC ID Declaration Section Part Authentication through Inherent Numbers and Authentication Circuits" (hereinafter Hiroki) and further in view of US Publication Number 2003/0163730 and in view of Matasushima U.S. Patent Number 7,117,493.

As per claim 2:

The combination of Berson and Hiroki teaches all the subject matter as discussed above. Both references do not explicitly disclose wherein the transmission step add-on software including the data is transmitted to the host computer, and in said authentication step the authentication process is executed by the add-on software. Matasushima in analogous art, however, discloses wherein the transmission step add-on software including the data is transmitted to the host computer, and in said authentication step the authentication process is executed by the add-on software. (col. 4, lines 1-31; col. 8, lines 38-55) Therefore it would have been obvious to one ordinary skill in the art to modify the method disclosed by Berson and Hiroki with Matasushima in

order to have a system to legitimately and efficiently acquire and execute software after the image processing device is activated. (col. 1, lines 45-54; Matasushima)

5. Claims 3-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Berson et al. (hereinafter Berson) U.S. Patent Number 6,938,154 in view Hiroki Eda et al. "PC ID Declaration Section Part Authentication through Inherent Numbers and Authentication Circuits" (hereinafter Hiroki) in view of Matasushima U.S. Patent Number 7,117,493 and further in view of Okazaki et al. (hereinafter Okazaki) U.S. Patent Number 7,158,657.

As per claims 3-4:

The combination of Berson, Hiroki and Matasushima teaches all the subject matter as discussed above. Both references do not explicitly disclose a method wherein the authentication process is performed using a dictionary which defines codes stored in the host computer and operations with respect to the image processing apparatus. Okazaki in analogous art, however, discloses wherein the authentication process is performed using a dictionary which defines codes stored in the host computer and operations with respect to the image processing apparatus. (figure 23, item 114; col. 18, lines 25-28) Therefore it would have been obvious to one ordinary skill in the art to modify the method disclosed by Berson, Hiroki and Matasushima with Okazaki in order to collate the operations with registered operation in the authentication server. (col. 1, lines 45-54; Matasushima)

6. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Berson et al. (hereinafter Berson) U.S. Patent Number 6,938,154 in view Hiroki Eda et al. "PC ID

Declaration Section Part Authentication through Inherent Numbers and Authentication Circuits" (hereinafter Hiroki) in view of Matasushima U.S. Patent Number 7,117,493 and further in view of Okazaki et al. (hereinafter Okazaki) U.S. Patent Number 7,158,657 and Roskind et al. (hereinafter Roskind) US Publication Number 2003/0163730.

As per claim 5:

The combination of Berson, Hiroki, Matasushima and Okazaki teaches all the subject matter as discussed above. None of the references explicitly disclose wherein the data is an address of the authentication apparatus on the network is determined by add-on software. Roskind in analogous art, however, teaches wherein the data is an address of the authentication apparatus on the network is determined by add-on software. (page 3, paragraph 31) Therefore, it would have been obvious to one ordinary skill in the art at the time the invention was made to modify the system disclosed by Berson, Hiroki, matasushima and Okazaki with Roskind in order to have a distributed authentication system with relatively small size of authentication database. In this way, the user's detailed authentication information is stored only in one participant server's authentication database. (page 3, paragraph 31; Roskind)

Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

8. Claims 1, 7 and 10 rejected under 35 U.S.C. 102(e) as being anticipated by Iwamoto et al. (hereinafter Iwamoto) US 2003/0105849.

As per claims 1, 7 and 10:

Iwamoto teaches s an authentication method of an image processing system in which a host computer, an authentication apparatus and an image processing apparatus are connected to a network, the method comprising:

a transmission step of, at the image processing apparatus, transmitting data specifying the authentication apparatus to the host computer in case where the host computer remotely operates the image processing apparatus; (page 5, pp.61-page 6, pp.76)

an authentication step of, at the host computer, causing the authentication apparatus specified by the data to perform an authentication process with respect to an operation level of the remote operation from the host computer to the image processing apparatus; (page 5, pp.61-page 6, pp.76) and

a remote operation step of, at the host computer, remotely operating the image processing apparatus in accordance with the operation level authenticated by the authentication apparatus. (page 5, pp.61-page 6, pp.76)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shewaye Gelagay whose telephone number is 571-272-4219. The examiner can normally be reached on 8:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on 571-272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Shewaye Gelagay



EMMANUEL L. MOISE
SUPERVISORY PATENT EXAMINER